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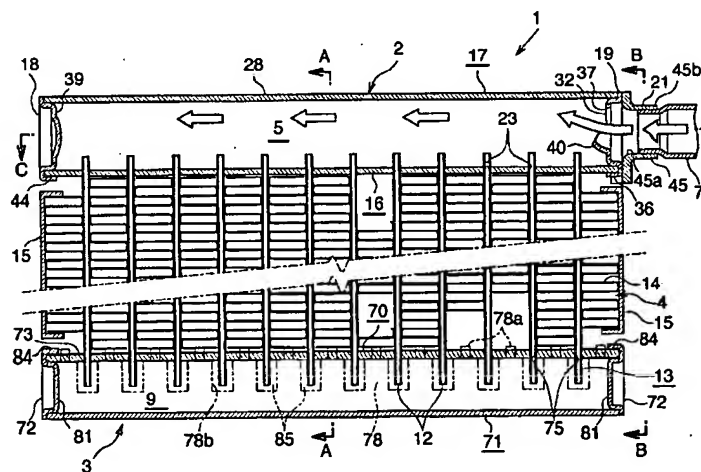
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(54) Title: **HEAT EXCHANGER**



(57) Abstract: A heat exchanger 1 comprises a heat exchange core 4 composed of heat exchange tubes 12 in groups 13 in the form of two rows arranged in parallel in the direction of flow of air through the exchanger, a refrigerant inlet header 5 disposed on the upper-end side of the tubes 12 and having one row of heat exchange tubes 12 joined thereto and a refrigerant outlet header 6 disposed in the rear of the inlet header 5 on the upper-end side of the tubes 12 and having the other row of heat exchange tubes 12 joined thereto. A cap 19 for closing an opening of the inlet header 5 at one end thereof is provided with a refrigerant inlet 37. The cap 19 has a lower edge defining the inlet 37 and provided with a guide 40 upwardly slanting inwardly of the inlet header 5.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ F28F9/02, B60H1/32, F25B39/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996
Published unexamined utility model applications of Japan 1971-2005
Registered utility model specifications of Japan 1996-2005
Published registered utility model applications of Japan 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-075024 A (Showa Denko K.K.) 2003.03.12, paragraph 148, figure 15 & US 2004/159121 A & EP 1397623 A & WO 02/103263 A1 & TW 552382 B & BR 210482 A & CZ 20033356 A & CN 1516799 A	1-19
Y	JP 2002-340495 A (Showa Denko K.K.) 2002.11.27, paragraph 44, figure 5 & EP 1373821 A & WO 02/73114 A1	1-19
Y	JP 06-241614 A (Sharp K.K.) 1994.09.02, paragraphs 21-27, 37-39, figures 1, 4 (no family)	4-5, 7-12

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